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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/500,511	06/30/2004	1632	50	3220-72178		18	1

CONFIRMATION NO. 6418

23643  
 BARNES & THORNBURG  
 11 SOUTH MERIDIAN  
 INDIANAPOLIS, IN 46204

## FILING RECEIPT



\*OC000000013889340\*

OCT 07 2004

BARNES

Date Mailed: 09/28/2004

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections, facsimile number 703-746-9195. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

## Applicant(s)

Stephen Francis Badylak, West Lafayette, IN;  
 Eric James Rodenberg, West Lafayette, IN;

## Power of Attorney:

~~Rebecca Ball 46535~~ The patent practitioners associated with Customer Number 23643.

## Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/00604 01/09/2003  
 which claims benefit of 60/347,541 01/11/2002

## Foreign Applications

Projected Publication Date: To Be Determined - pending completion of Security Review

Non-Publication Request: No

Early Publication Request: No

\*\* SMALL ENTITY \*\*

Title



**BARNES & THORNBURG LLP**

11 South Meridian Street  
Indianapolis, Indiana 46204  
(317) 236-1313  
(317) 231-7433 Fax

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Group: 1632

Confirmation No.: 6418

Application No.: 10/500,511

Invention: **BIOMATERIAL DERIVED FROM  
VERTEBRATE LIVER TISSUE**

Applicant: Stephen F. Badylak, et al.

Filed: June 30, 2004

Attorney Docket 3220-72178

Examiner: Chen, Shin Lin

Certificate Under 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313

on August 3, 2006

Rebecca Ball  
(Signature)

Rebecca L. Ball  
(Printed Name)

TRANSMITTAL OF POWER OF ATTORNEY AND STATEMENT UNDER  
37 C.F.R. § 3.73(b) AND REQUEST FOR CORRECTED FILING RECEIPT

Commissioner For Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Applicants submit herewith a newly executed Power of Attorney for the above-captioned application under 37 C.F.R. § 1.32 appointing the registered practitioners associated with Customer Number 23643 (Form PTO/SB/80). Applicants also submit herewith a statement under 37 C.F.R. § 3.73(b) (Form PTO/SB/96) and copies of assignment documents evidencing that inventors assigned rights to the captioned application to Purdue Research Foundation.

Applicants respectfully request that a corrected filing receipt be issued showing a correction to reflect the newly executed Power of Attorney. Applicants also request that the corrected filing receipt be sent to the undersigned attorney. A copy of the filing receipt for the above-identified patent application is attached with the requested changes noted in writing.

Applicants believe that no fees are required with this submission. If any fees are required, the Assistant Commissioner is hereby authorized to charge any fees as necessary, or to credit any overpayments, to our Deposit Account No. 10-0435, with reference to our matter number 3220-72178. Two copies of this letter are enclosed to facilitate action by the Office on this matter.

Respectfully submitted,

A handwritten signature in black ink that reads "Rebecca Ball". The signature is written in a cursive style with a large, stylized "R" and "B".

Rebecca L. Ball  
Registration No. 46,535  
Attorney for Applicants

RLB  
Indianapolis, Indiana 46204  
317-231-7511

INDS02 ELEHR 824669v1

### ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s)  
of Inventor(s)

Stephen F. Badylak and Eric Rodenberg

Check applicable  
boxes and enter serial  
number and date  
if available

maker(s) of an invention which is the subject of a ☐ United States Provisional Patent Application  
identified as Serial No. 60/347,541 with a filing date of January 11, 2002 and/or  
a ☐ PCT International Application, entitled

Title of  
Application

Biomaterial Derived From Vertebrate Liver Tissue  
hereinafter (the "Application(s)")

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of  
Assignee

Purdue Research Foundation

Address of  
principal  
place of  
business

1291 Cumberland Avenue  
West Lafayette, Indiana 47906

Insert State of  
Incorporation  
(if applicable) or  
"Not Applicable"

a corporation of Indiana

(hereinafter designated as the Assignee) their entire right, title and interest in, to and under the Application(s), including all priority rights for the United States and other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada and Mexico, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application(s) and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the Application(s) in the United States and counterpart applications in foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such Applications, and also to execute separate assignments in connection with such Applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the Application(s), U.S. national counterparts thereof, or continuation(s), division(s), reissue(s), reexamination(s) thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

PROVISIONAL/PCT PATENT ASSIGNMENT  
ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting or following from said Application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, I have executed this assignment at \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_.

Outside the USA:  
Witnesses are  
required when  
acknowledgment  
before a Notary  
Public is not  
feasible.

Ab. AS-Beyd  
Witness

\_\_\_\_\_  
Witness

Stephen F. Badylak  
Inventor (Signature)

Stephen F. Badylak  
Inventor (Printed Name)

ACKNOWLEDGMENT

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

SS: \_\_\_\_\_

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 3 day of January, 2003.

Stacey Coar  
Notary Public

Stacey Coar  
Printed Name

My Commission Expires: September 22, 2006

Resident of Lippencoe County

IN WITNESS WHEREOF, I have executed this assignment at Indianapolis,  
this 8 day of January, 2003

Outside the USA: \_\_\_\_\_  
Witnesses are required when acknowledgment before a Notary Public is not feasible.  
Witness \_\_\_\_\_  
Witness \_\_\_\_\_

Eric J. Rodenberg  
Inventor (Signature)

Eric Rodenberg  
Inventor (Printed Name)

#### ACKNOWLEDGMENT

STATE OF Indiana }  
COUNTY OF Marion }

SS:

Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this 8th day of January, 2003

Ausma Karlova  
Notary Public

Ausma Karlova  
Printed Name

My Commission Expires: 16 Nov. 2009

Resident of Marion County

IN WITNESS WHEREOF, I have executed this assignment at \_\_\_\_\_  
this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

Outside the USA: \_\_\_\_\_  
Witnesses are required when acknowledgment before a Notary Public is not feasible.  
Witness \_\_\_\_\_  
Witness \_\_\_\_\_

\_\_\_\_\_  
Inventor (Signature)

\_\_\_\_\_  
Inventor (Printed Name)

#### ACKNOWLEDGMENT

STATE OF \_\_\_\_\_ }  
COUNTY OF \_\_\_\_\_ }

SS:

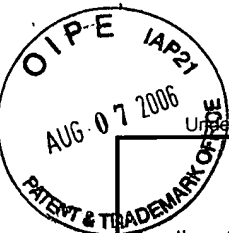
Acknowledged before me, a Notary Public, within and for said County and State. Witness my hand and Notarial Seal  
this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Notary Public

\_\_\_\_\_  
Printed Name

My Commission Expires: \_\_\_\_\_

Resident of \_\_\_\_\_ County



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**

Applicant/Patent Owner: Purdue Research Foundation

Application No./Patent No./Control No.: 10/500,511 Filed/Issue Date: June 30, 2004

Entitled: BIOMATERIAL DERIVED FROM VERTEBRATE LIVER TISSUE

Purdue Research Foundation

, a corporation

(Name of Assignee)

(Type of Assignee: corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest  
(The extent (by percentage) of its ownership interest is \_\_\_\_\_ %)

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 013952, Frame 0344, or a true copy of the original assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as follows:

1. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

2. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
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3. From: \_\_\_\_\_ To: \_\_\_\_\_

The document was recorded in the United States Patent and Trademark Office at  
Reel \_\_\_\_\_, Frame \_\_\_\_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

**As required by 37 CFR 3.73(b)(1)(i), the documentary evidence of the chain of title from the original owner to the assignee was, or concurrently is being, submitted for recordation pursuant to 37 CFR 3.11.**

[NOTE: A separate copy (i.e., a true copy of the original assignment document(s)) must be submitted to Assignment Division in accordance with 37 CFR Part 3, to record the assignment in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Rebecca Ball

Signature

8/2/06

Date

Rebecca L. Ball

Printed or Typed Name

(317) 231-7511

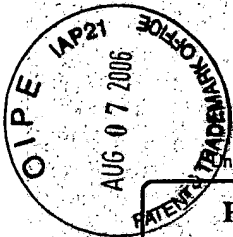
Telephone Number

Patent Attorney

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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## POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby appoint:



Practitioners associated with the Customer Number:

23643

OR



Practitioner(s) named below (if more than ten patent practitioners are to be named, then a customer number must be used):

Name	Registration Number

as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Assignee Name and Address:

**Purdue Research Foundation**  
**3000 Kent Avenue**  
**West Lafayette, Indiana 47906**

**A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.**

### SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

Signature	<i>Bruce L. Pershing</i>	Date	October 19, 2004
Name	Bruce L. Pershing	Telephone	(765) 496-7712
Title	Investment Officer and Corporate Secretary		

This collection of information is required by 37 CFR 1.31 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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